

APR-03-02 17:33

FROM-GEN-PROBE EXECUTIVE OFFICE

8584108922

T-684 P.99 F-485

EXHIBIT A

APR-03-02 17:33

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8584108922

T-684 P.88

F-485

Mtx 1²AmtbA-246-46 With Cetylpyridinium Chloride

Project No. mtb

TITLE in mtb A190 region

Book N. 2211

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Materials:

T₇ Am+tbA-246, 2138-93, 15.84% /me, 0.52ul /15 pmol.
 T₇ Am+tbA-246-Cordycepin 2228-18, 12.6% /me, 0.65ul /15 pmol.
 T₇ Am+tbA-246 - RP, 2138-58, 4.56% /me, 1.8ul /15 pmol.
 MgoA+t146, 2158-55, 6.69% /me, 0.1ul /2 pmol.
 10X GP /mtb, 2134-700, 1M TMA.C, 2211-99.
 10X rNTP /mtb, 2211-99, T₇ (0) 704, 2000/rxn.
 10mM dNTP /mtb, 2163-87, RT/74.312, 3000/rxn.
 2M KCl, 2081-99, NaCl · ED.B. 2211-100.

(I) Design	Control	MgoA+t146	5fg (B) 0fg
a.	0.1 pm unlabelled T ₇ A-246	2 pmol	① - ⑤ ⑥ - ⑦
b.	0.1 pm unlabelled T₇A-246 10 pmol Cordycepin		⑥ - ⑧ / 0.0 pm unlabelled T ₇ ⑨ - ⑩
c.	5 pmol RP-linked T ₇ A-246 10 pmol Cordycepin		⑪ - ⑬ / 0.0 pm unlabelled T ₇ ⑭ - ⑯

II) Mix	x	19x	(III) mtb rRNA @ 5 ⁰ C amine → 95% x
MgoA+t146	0.1ul	1.9	(A) 2ul + 0.98H ₂ O
10X GP	10	190	(B) 2ul + 2.64ul 2% BSA → 5fg/0fg
10X rNTP	10	190	(IV) Enzyme mix (x 20)
10mM dNTP	10	190	RT 25x 30 = 5ul } 16.3ul T ₇ 1x 25 = 20 } per NaCl 10x 20 = 200 } addition
2M KCl	1.75	33.3	
Glyceral	10	190	
DMSO	10	190	
1M TMA.C	1	19	
5% Phenol Red	5	9.5	
MtB Q H ₂ O	15.35	292	
	68.7ul		

a(x8) 550ul mix

(150) 1.4ul 0.1pm T₇-24651ul 15pm Cordycepin T₇-24673.4ul H₂O

28.7ul X 7

b(x 5.5) 378ul mix C(x 5.5)

1.3ul 2pm RP-T₇A-2463.1ul 13pm T₇-24650.6ul H₂O

78.7ul X 5

378ul mix

33ul RP-T₇A-246

2.4ul Cordycepin

T₇-246169.3ul H₂O

78.7ul X 5

T Page No. 47

Witnessed & Understood by me,

Rosa Jankard

Date

Invented by

Date

Recorded by

J. Young

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Project No. 1110Book N 2211

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TITLE ContinueFrom Pag No 446

MgofA₁₄₆ 5fg /one concenat. GP ID 246
 2pm 15 521684 0.1 pmol TgA-246
 16 84289 15pmol cordycepin
 17 215638
 18 711167
 19 718469

→ SPiked 2 0.01 pmol TgA-246

20 1351
 21 106985
 22 ~~106985~~ 5pm Rlinked TgA-246
 23 ~~106985~~ Cordycepin

24 686762 SPiked 2 0.01 pmol TgA-246
 25 691186
 26 666995
 27 733675 5pm RP-linked TgA-246
 28 732889 5pm Cordycepin

29 883 ofg
 30 888
 31 24849 (2XDH bfr)

Surprisingly, RP-linked & Cordycepin-TgA

-246 / 2pmol/g MgofA +146 worked in GP ID.

10 pmol + 1 pmol > 8% cordycepin / RP-
 15 pmol / 0.1 pmol

TgA-246 will be compared.

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Witnessed & Understood by me,

Date

Invented by

Dat

Roger Jankford

Record d by

J. Yang